

or eliminates 5'-3' exonuclease activity of said polymerase, wherein said mutation is in the 5'-3' exonuclease domain of said polymerase, and further wherein said mutant *Thermotoga neapolitana* DNA polymerase is a Pol I-type DNA polymerase.

35. (newly added) A method of producing a mutant *Thermotoga neapolitana* DNA polymerase, said method comprising:

(a) culturing a host cell comprising a gene encoding a mutant *Thermotoga neapolitana* DNA polymerase having a mutation that substantially reduces or eliminates 5'-3' exonuclease activity of said polymerase, wherein said mutation is in the 5'-3' exonuclease domain of said polymerase, and further wherein said mutant *Thermotoga neapolitana* DNA polymerase is a Pol I-type DNA polymerase;


(b) expressing said gene; and

(c) isolating said mutant *Thermotoga neapolitana* DNA polymerase from said host cell.

#### REMARKS

Claims 1-21 were in the Application as filed. Claims 1-21 have been cancelled without prejudice in order to further the Applicants' business interests and the prosecution of the present Application. Applicants reserve the right to prosecute the original claims (or similar claims) in the future. Support for the new claims is found throughout the Application.

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